

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

1-8. (Canceled)

9. (New) An apparatus for determining a total mass of a vehicle, comprising:
a plurality of distributed weight sensors for determining a load mass;
a memory for outputting a curb mass of the vehicle; and
an arrangement for relaying a value for the total mass to at least one additional vehicle system.
10. (New) The apparatus as recited in Claim 9, further comprising:
an arrangement for determining a mass from a weight, wherein the distributed weight sensors are configured for determining a respective weight of each individual occupant and a payload.
11. (New) The apparatus as recited in Claim 9, wherein the distributed weight sensors are located in seats and on a cargo surface.
12. (New) The apparatus as recited in Claim 11, wherein the cargo surface is located at least one of in a trunk and in a roof rack.
13. (New) The apparatus as recited in Claim 9, wherein:
the at least one additional vehicle system is connectable to a pre-crash sensing system, and
the at least one additional vehicle system is configured to determine a kinetic energy from the total mass and a value for a relative velocity between the vehicle and another object.
14. (New) The apparatus as recited in Claim 13, wherein:
the at least one additional vehicle system relays at least one of the kinetic energy and the total mass to at least one of a braking system, an electronic stability program, and a restraint system.
15. (New) The apparatus as recited in Claim 9, further comprising:

an arrangement for determining a center of mass, the center of mass being accessible to the at least one additional vehicle system.

16. (New) The apparatus as recited in Claim 9, wherein the distributed weight sensors include wheel bearing load sensors.